

VIDEO STABILIZER

Wei Xiong

ABSTRACT

A video stabilization system processes a video segment to remove

5 unwanted motion, resulting in a stabilized video segment. The video stabilization system tracks one or more features through multiple frames, identifies ideal positions for the features, and then generates information (e.g., rotation, scaling, shearing, and/or translation) to transform all pixels in each frame to ideal positions based on the ideal positions of the features.

TOP SECRET//COMINT